

ABSTRACT

5 A composition for administration of a therapeutic compound  
to a multi-drug resistant cell in a person suffering from a  
drug-resistant cancer is described. The composition is  
composed of a carrier molecule and a folate targeting ligand,  
which is covalently attached to the carrier, and the  
therapeutic compound. In one preferred embodiment, the carrier  
is a liposome having a surface coating of hydrophilic polymer  
chains where a folate ligand is attached to the free distal end  
10 of at least a portion of the hydrophilic polymer chains, and  
the therapeutic agent is entrapped in the liposomes. The  
composition is effective to achieve accumulation of the  
therapeutic compound in the cell in an amount sufficient to be  
15 cytotoxic. Also described are methods for administering a  
therapeutic compound to a person suffering from a multi-drug  
resistant condition.